

SECTION C: HOME HEATING

MAIN SPACE HEATING

C-1. Please turn to Exhibit C-1. What is the one main equipment used for heating your home?

INTERVIEWER: CIRCLE ONLY ONE UNDER C-1.

C-2. Please turn to the "Blue Card". For the main heating equipment in your home, what type of fuel or fuels does your household use with that equipment?

INTERVIEWER: ASK ABOUT MAIN HEATING FUELS EVEN IF EQUIPMENT IS NOT KNOWN.
SHADED CELLS INDICATE FUEL NOT USED IN THAT TYPE OF EQUIPMENT.

MAIN HEATING FUELS AND EQUIPMENT

C-1.	MAIN HEATING EQUIPMENT	C-2. [CIRCLE ALL THAT APPLY]										DONT KNOW FUEL
		ELECTRICITY	NATURAL GAS	LPG / PROPANE	FUEL OIL	KEROSENE	WOOD	COAL or COKE	SOLAR	OTHER SPECIFY:		
41-42												
03	a. CENTRAL WARM-AIR FURNACE WITH DUCTS TO INDIVIDUAL ROOMS (NOT Heat Pump)	05	01	02	03	04	07	06	08	21		96
02	b. STEAM/HOT WATER SYSTEM WITH RADIATORS/CONVECTORS IN ROOM OR PIPES IN FLOOR	05	01	02	03	04	07	06	08	21		96
05	c. BUILT-IN ELECTRIC UNITS (Permanently installed in wall, ceiling, or baseboard.)	05										96
04	d. HEAT PUMP	05										96
06	e. FLOOR/WALL/PIPELESS FURNACE - NOT PORTABLE	05	01	02	03	04	07	06		21		96
07	f. ROOM HEATER (Burning Gas, Oil, or Kerosene.) - NOT PORTABLE		01	02	03	04						96
08	g. HEATING STOVE BURNING WOOD, COAL OR COKE						07	06		21		96
10	h. PORTABLE ELECTRIC HEATER(S)	05										96
11	i. PORTABLE KEROSENE HEATER(S)					04						96
09	j. FIREPLACE(S)	05	01	02			07	06		21		96
12	k. COOKING STOVE (Used to heat home as well as for cooking.)	05	01	02	03	04	07	06		21		96
21	l. EQUIPMENT NOT LISTED	05	01	02	03	04	07	06	08			96
	(SPECIFY): -->											
96	m. DON'T KNOW EQUIPMENT	05	01	02	03	04	07	06	08	21		96
00	n. NO HEATING EQUIPMENT USED --> [D-1]											

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INTERVIEWER: IF TWO FUELS ARE MARKED FOR MAIN EQUIPMENT, WRITE HERE THE FUEL THAT PROVIDES MORE HEAT: _____

RECORD ON FOLDOUT PAGE. FOR ALL FUELS CIRCLED IN C-2, CIRCLE '1' IN 'FUEL USED' COLUMN. ALSO, IF ELECTRICITY OR NATURAL GAS 'FOR HOME HEATING', CIRCLE '1' FOR 'YES' IN 'USAGE' COLUMN.

49-50

C-3. Please turn back to Exhibit C-1. What other types of heating equipment are used in your home, including those that are used JUST occasionally?

INTERVIEWER: FOR 'OTHER HEATING FUELS AND EQUIPMENT' GRID ON NEXT PAGE, CIRCLE ALL THAT APPLY UNDER C-3.

C-4. Please turn to the "Blue Card". For each type of other heating equipment that you have, I'm going to ask you what type of fuel or fuels you use with that equipment. Let's start with...?

INTERVIEWER: READ EACH TYPE OF EQUIPMENT MENTIONED IN C-3, CIRCLE TYPE OF FUEL USED. IF 'NO OTHER HEATING EQUIPMENT' IS USED, CIRCLE '00' UNDER C-3 AND SKIP TO C-6.

ASK ABOUT SUPPLEMENTAL HEATING FUELS EVEN IF EQUIPMENT IS NOT KNOWN.

SHADED CELLS INDICATE FUEL NOT USED IN THAT TYPE OF EQUIPMENT.

OTHER HEATING FUELS AND EQUIPMENT

C-3.		C-4. [CIRCLE ALL THAT APPLY]											
OTHER EQUIP	OTHER HEATING EQUIPMENT	ELECTRICITY	NATURAL GAS	LPG / PROPANE	FUEL OIL	KEROSENE	WOOD	COAL or COKE	SOLAR	OTHER SPECIFY:		DON'T KNOW FUEL	
	00	a. NO OTHER HEATING EQUIPMENT USED --> [C-6]											96
03	b. CENTRAL WARM-AIR FURNACE WITH DUCTS TO INDIVIDUAL ROOMS (NOT Heat Pump)	05	01	02	03	04	07	06	08	21	96	63-70	
02	c. STEAM/HOT WATER SYSTEM WITH RADIATORS/CONVECTORS IN ROOM OR PIPES IN FLOOR	05	01	02	03	04	07	06	08	21	96	71-78	
05	d. BUILT-IN ELECTRIC UNITS (Permanently installed in wall, ceiling, or baseboard.)	05									96	79-82	
04	e. HEAT PUMP	05									96	83-86	
06	f. FLOOR/WALL/PIPELESS FURNACE - NOT PORTABLE	05	01	02	03	04	07	06		21	96	87-94	
07	g. ROOM HEATER (Burning gas, oil, or Kerosene.) - NOT PORTABLE		01	02	03	04					96	95-102	
08	h. HEATING STOVE BURNING WOOD, COAL OR COKE						07	06		21	96	103-110	
10	i. PORTABLE ELECTRIC HEATER(S)	05									96	111-114	
11	j. PORTABLE KEROSENE HEATER(S)					04					96	115-118	
09	k. FIREPLACE(S)	05	01	02			07	06		21	96	119-126	
12	l. COOKING STOVE (Used to heat home as well as for cooking.)	05	01	02	03	04	07	06		21	96	127-134	
21	m. OTHER EQUIPMENT (SPECIFY): -->	05	01	02	03	04	07	06	08		96	135-142	
96	n. DON'T KNOW EQUIPMENT	05	01	02	03	04	07	06	08	21	96	143-150	

INTERVIEWER: RECORD ON FOLDOUT PAGE. FOR ALL FUELS CIRCLED IN C-4, CIRCLE '1' IN 'FUEL USED' COLUMN. IF ELECTRICITY OR NATURAL GAS, ALSO CIRCLE '1' FOR 'YES' 'FOR HOME HEATING' IN 'USAGE' COLUMN.

IF OTHER HEATING EQUIPMENT USED, ASK: OTHERWISE --> [C-6]:

C-5. Going back to your main heating equipment - (EQUIPMENT FROM C-1). Does this equipment provide all or almost all of the heat for your home, about three-fourths, or closer to half of the heat for your home?

- ALL OR ALMOST ALL (MORE THAN 95%) 1
- ABOUT THREE-FOURTHS (67%-94%) 2
- CLOSER TO HALF (66% OR LESS) 3
- DON'T KNOW 6

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IF 'SOLAR HEATING' ON C-2 OR C-4, ASK; OTHERWISE --> [C-7]:

C-6. Does your solar heating system REQUIRE pumps or fans (other than ceiling fans) to circulate warm air or hot fluids between solar collectors and the rooms they heat?

- YES 1
- NO 0
- DON'T KNOW 6

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HOME TEMPERATURES

C-7. At what temperature does your household usually keep your home in the winter?

a. During the day, when someone is at home?

DEGREES FAHRENHEIT: 205-8
 HEAT TURNED OFF 95

b. During the day, when no one is at home?

DEGREES FAHRENHEIT: 207-8
 HEAT TURNED OFF 95

c. During sleeping hours?

DEGREES FAHRENHEIT: 209-10
 HEAT TURNED OFF 95

INTERVIEWER: IF RESPONDENT KEEPS DIFFERENT PARTS OF THE HOUSE AT DIFFERENT TEMPERATURES, WE WANT THE TEMPERATURE IN THE PART OF THE HOUSE WHERE THE PEOPLE ARE. IF, FOR EXAMPLE, THE HEAT IS TURNED OFF UPSTAIRS DURING THE DAY BECAUSE THE FAMILY IS DOWNSTAIRS, WE WANT THE DOWNSTAIRS TEMPERATURE.
 IF THE RESPONDENT DOESN'T KNOW THE TEMPERATURE, BUT KNOWS THERMOSTAT SETTING, RECORD THERMOSTAT SETTING. OTHERWISE, PROBE FOR BEST ESTIMATE.

C-8. Please look at Exhibit C-8. For your main heating equipment, can you use a thermostat to adjust the temperature in your home during the heating season?

YES 1
 NO 0 211
 DON'T KNOW 6

INTERVIEWER: IF NEEDED, PLEASE READ "A thermostat automatically responds to temperature changes and turns the heat on/off until the desired temperature is reached."

C-9. Please turn to the "Yellow Card". Approximately, how old is your household's main heating equipment?

- LESS THAN 2 YEARS OLD 1
- 2 - 4 YEARS OLD 2
- 5 - 9 YEARS OLD 3 --> [C-16]
- 10 - 19 YEARS OLD 4 --> [C-16]
- 20 YEARS OR OLDER 5 --> [C-16]
- DON'T KNOW 6 --> [C-16]

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IF MAIN HEATING EQUIPMENT LESS THAN 5 YEARS OLD, ASK; OTHERWISE --> [C-16]

C-10. Since January 1, 1990, has your household purchased a new main heating system either to replace an older system or as part of the purchase of a new home?

- YES, PURCHASED REPLACEMENT 1 --> [C-12]
- YES, CAME WITH HOME PURCHASE 2
- NO 0 --> [C-16]

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IF "CAME WITH HOME PURCHASE" ON C-10, ASK:

C-11. Did your household select the system or did the system come standard with the newly purchased home?

- HOUSEHOLD SELECTED 1 --> [C-15]
- STANDARD WITH NEW HOME 0 --> [C-16]

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C-12. How well was the older equipment working when your household replaced it? Was it working very well, well, not well, or not working at all?

- VERY WELL 1
- WELL 2
- NOT WELL 3
- NOT WORKING AT ALL 4
- DID NOT HAVE HEATING SYSTEM BEFORE/
WAS NOT REPLACED 5 --> [C-15]
- DON'T KNOW 6

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C-13. Does the new heating system use the same fuel as the heating equipment it replaced?

- YES 1
 - NO 0
 - DON'T KNOW 6
- 216

C-14. How do you like your new heating system compared to the old one? Do you like it better than the old, the same, or did you like the old equipment better?

- LIKE IT BETTER THAN OLD 1
 - LIKE IT SAME AS OLD 2
 - LIKED OLD EQUIPMENT BETTER 3
 - DON'T KNOW 6
- 217

C-15. Thinking back to why your household decided to purchase this new heating system. Please tell me, for each of the following reasons, whether it was very important, somewhat important, or not important to your decision.

	VERY IMPORTANT	SOMEWHAT IMPORTANT	NOT IMPORTANT	DON'T KNOW	
a. Purchase Price a.	1	2	3	6	218
b. Reputation of Manufacturer b.	1	2	3	6	219
c. Energy Efficiency c.	1	2	3	6	220
d. Rebate or Availability of Low-Interest Financing d.	1	2	3	6	221

INTERVIEWER: ASK EVERYONE C-16.

C-16. Does the main system for heating your home also heat one or more other apartments, condos, households, businesses, or farm buildings?

- YES 1
 - NO, HEATING EQUIPMENT IS FOR RESPONDENT'S HOME ONLY 0
 - DON'T KNOW 6
- 222